

# INTERNATIONAL SEARCH REPORT

National Application No  
T/GB2004/002179

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61L24/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61L A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, EMBASE, BIOSIS, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 425 949 B1 (VAN LANDUYT PASCALE ET AL) 30 July 2002 (2002-07-30)  column 3, line 27 - line 42 example 1 claim 8  ----- GBURECK U ET AL: "Surface properties of calcium phosphate particles for self setting bone cements" BIOMOLECULAR ENGINEERING, ELSEVIER, NEW YORK, NY, US, vol. 19, no. 2-6, August 2002 (2002-08), pages 51-55, XP004378070 ISSN: 1389-0344 the whole document page 51, right-hand column  ----- -/-	1-5, 8, 10-25, 27-30
X	----- ----- ----- ----- -----	1, 2, 10-20, 29, 30

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
20 October 2004	05/11/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx: 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Hars, J

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BOHNER M ET AL: "EFFECTS OF SULFATE, PYROPHOSPHATE, AND CITRATE IONS ON THE PHYSICOCHEMICAL PROPERTIES OF CEMENTS MADE OF BETA-TRICALCUM PHOSPHATE-PHOSPHORIC ACID-WATER MIXTURES"  JOURNAL OF THE AMERICAN CERAMIC SOCIETY, AMERICAN CERAMIC SOCIETY. COLUMBUS, US, vol. 79, no. 6, 1 June 1996 (1996-06-01), pages 1427-1434, XP000596067  ISSN: 0002-7820  figure 9</p> <p>-----</p>	21-25, 27,28
X	<p>OTSUKA M ET AL: "PARTICLE SIZE EFFECT OF METASTABLE CALCIUM PHOSPHATES ON CRUSHING STRENGTH OF SELF-SETTING BIOACTIVE CALCIUM PHOSPHATE CEMENT"  CHEMICAL AND PHARMACEUTICAL BULLETIN, PHARMACEUTICAL SOCIETY OF JAPAN. TOKYO, JP, vol. 41, no. 11, 1 November 1993 (1993-11-01), pages 2055-2057, XP009001135  ISSN: 0009-2363  figure 5; table II</p> <p>-----</p>	29
P,X	<p>GBURECK U ET AL: "Ionic modification of calcium phosphate cement viscosity. Part I: hypodermic injection and strength improvement of apatite cement"  BIOMATERIALS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 25, no. 11, 6 November 2003 (2003-11-06), pages 2187-2195, XP004485137  ISSN: 0142-9612  Online publication date the whole document</p> <p>-----</p>	1-30
P,X	<p>BARRALET J E ET AL: "Ionic modification of calcium phosphate cement viscosity. Part II: hypodermic injection and strength improvement of brushite cement"  BIOMATERIALS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 25, no. 11, 19 November 2003 (2003-11-19), pages 2197-2203, XP004485138  ISSN: 0142-9612  Online publication date the whole document</p> <p>-----</p>	1-30
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>FERNANDEZ ENRIQUE ET AL: "Kinetic study of citric acid influence on calcium phosphate bone cements as water-reducing agent"  J. BIOMED. MATER. RES.; JOURNAL OF BIOMEDICAL MATERIALS RESEARCH SEP 15 2002, vol. 61, no. 4, 15 September 2002 (2002-09-15), pages 653-659, XP002301639  cited in the application  abstract  figures 1,2  page 657, right-hand column, paragraph 2 - paragraph 3</p> <p>-----</p> <p>DATABASE MEDLINE 'Online!  US NATIONAL LIBRARY OF MEDICINE (NLM),  BETHESDA, MD, US; March 2000 (2000-03),  CHEN D: "Physical properties of apatite bone cement!"  XP002301640  Database accession no. NLM10879182  abstract  &amp; SHENG WU YI XUE GONG CHENG XUE ZA ZHI =  JOURNAL OF BIOMEDICAL ENGINEERING =  SHENGWU YIXUE GONGCHENGXUE ZAZHI. MAR 2000,  vol. 17, no. 1, March 2000 (2000-03),  pages 13-15, 18,  ISSN: 1001-5515</p> <p>-----</p> <p>DATABASE EMBASE 'Online!  ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL; 2004,  CHEN D-M ET AL: "Study on the mechanical properties of hydroxyapatite bone cement"  XP002301641  Database accession no. EMB-2004217475  abstract  &amp; CHINESE JOURNAL OF CLINICAL REHABILITATION 2004 CHINA,  vol. 8, no. 8, 2004, pages 1589-1591,  ISSN: 1671-5926</p> <p>-----</p>	1-30
A		1-30
T		1-30

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Patent document cited in search report	Publication date		Patent family member(s)	Publication date
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